

**DISTRIBUTION
UNIT MANAGERS' MEETING
200 AREA GROUNDWATER AND SOURCE OPERABLE UNITS**

087999

Bryan Foley	DOE-RL RP (A5-13)
Marvin Furman	DOE-RL RP (A5-13)
Ellen Mattlin	DOE-RL EAP (A2-15)
Mike Thompson	DOE-RL RP (A5-13)
Arlene Tortoso	DOE-RL RP (H0-12)
Lisa Treichel	DOE-HQ (EM-442)
Dennis Faulk	EPA (B5-01)
Brenda Becker-Khaleel	WDOE (Kennewick) (B5-18)
Zelma Maine	WDOE (Kennewick) (B5-18)
Matt Mills	WDOE (Kennewick) (B5-18)
John Price	WDOE (Kennewick) (B5-18)
Tina Masterson-Heggen	WDOE (Kennewick) (B5-18)
Greg Mitchem	BHI (H0-19)
Chloe Brewster	BHI (H0-19)
Garrett Day	BHI (H0-19)
Bruce Ford	BHI (H0-19)
Lynn Curry	BHI (H0-19)
Joan Woolard	BHI (H0-02)
Tim Lee	CHI (H9-02)
Virginia Rohay	CHI (H0-19)
L. Craig Swanson	CHI (H9-02)
Mary Todd	CHI (H9-03)
Curtis Wittreich	CHI (H9-03)
Stuart Luttrell	PNNL (K6-96)
Mark Sweeney	PNNL (K6-81)
Administrative Record (2)	BHI (H0-09)

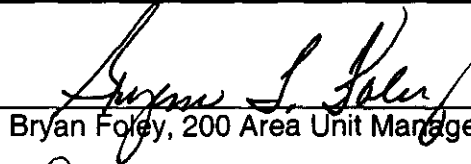
Please inform Susan Roach – BHI (372-9377)
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Meeting Minutes Transmittal/Approval
Unit Managers' Meeting
200 Area Groundwater and Source Operable Units
3350 George Washington Way, Richland, Washington
December 2000

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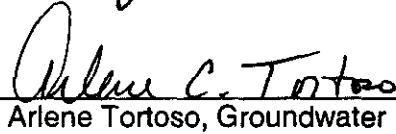
APPROVAL:


Bryan Foley, 200 Area Unit Manager, DOE/RL (A5-13)

Date

2/26/01

APPROVAL:


Arlene Tortoso, Groundwater Unit Manager, DOE/RL (H0-12)

Date

2/26/01

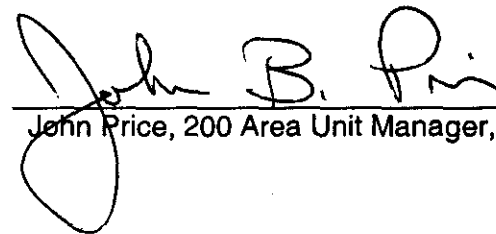
APPROVAL:


Dennis Faulk, 200 Area Unit Manager, EPA (B5-01)

Date

3-1-01

APPROVAL:


John Price, 200 Area Unit Manager, Ecology (B5-18)

Date

3-21-01

Meeting minutes are attached. Minutes are comprised of the following:

Attachment 1	--	Agenda
Attachment 2	--	Attendance Record
Attachment 3	--	200 Area Current Action Log
Attachment 4	--	200 Area UMM Minutes – December 2000
Attachment 5	--	200 Area Ecological Assessment

Prepared by:


Susan Roach, BHI GW/VZ Integration Project (H0-19)

Date

2/8/01

Concurrence by:


Bruce Ford, BHI GW/VZ Integration Project (H0-19)

Date

2/21/01

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UNIT MANAGERS' MEETING AGENDA

3350 George Washington Way
December 20, 2000

9:00 a.m. – 11:00 a.m. 200 Area Room 1B-45

General (10 minutes)

- Outstanding Action Items (attached)
- Passive Neutron Tool Demonstration Report
 - <http://www.BHI.ERC.com/200Area/200docs.htm>
- Update of five-year Review

200-CW-1 Gable/B Pond and Ditches Cooling Water OU (10 minutes)

- RI Report - Ecology Review Comments

200-CS-1 Chemical Sewer OU (10 minutes)

- FY2001 Fieldwork -Status

200-TW-1 Scavenged and 200-TW-2 Tank Waste OUs (10 minutes)

- Work Plan Status
 - Draft TPA Change Package
 - Request for Approval to proceed with FY01 field work

200-PW-2 Uranium-Rich Process Waste OU (5 minutes)

- Work Plan Status
 - Status DQO Report
 - Draft A Work Plan submittal by 12/29/00; Regulator Review 1/02 – 1/31/01
 - Draft TPA Change Package

200-PW-1 Plutonium/Organic-Rich Process Waste OU (10 minutes)

- Work Plan Status
 - Status DQO
 - Draft A Work Plan due to Regulators 6/30/01

200-UP-1 (15 minutes)

- Status Operational Update
- Status of MSE Work on Uranium

200-ZP-1 (15 minutes)

- Status Operational Update
- Carbon Tetrachloride Investigation

200-ZP-2 (10 minutes)

- Status of Sampling Data

PRINTED NAME

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**200 Area Unit Managers' Meeting
OPEN ACTION ITEMS & TRACKING**

Action #	Action/Subject	Assigned To	Owed To	Assigned Date	Original Due Date	Adjusted Due Date	Date Complete	Status
5	Submittal of Ecology Review Comments on the 200-PW-2 DQO Summary Report. B. Foley will get with J. Price next week to wrap up. J. Price to submit DQO comments with workplan comments.	John Price, Ecology	Bryan Foley, RL	8/24/00		11/22/00		Open

**200 Area Unit Managers' Meeting
CLOSED ACTION ITEMS**

Action #	Action/Subject	Assigned To	Owed To	Assigned Date	Original Due Date	Adjusted Due Date	Date Complete	Status
3	Ecology Approval of 200-CS-1 Work Plan, Rev. 0	John Price, Ecology	Bryan Foley, RL	8/24/00			10/30/00	Closed
6	EPA Approval of 200-CW-5 Work Plan, Rev. 0	Doug Sherwood, EPA	Bryan Foley, RL	8/24/00			9/28/00	Closed
1	Ecology Approval of 200-CW-1 Work Plan, Rev. 0.	John Price, Ecology	Bryan Foley, RL	8/24/2000		12/18/2000	Approval with comments received 12/07/00	Closed
2	Submittal of Ecology Review Comments on the 200-CW-1 Remedial Investigation Report, Draft A.	John Price, Ecology	Bryan Foley, RL	8/24/2000	9/15/2000	12/18/2000	12/19/2000	Closed
4	Submittal of Ecology Review Comments on the 200-TW-1 and 200-TW-2 Work Plan, Draft A	John Price, Ecology	Bryan Foley, RL	8/24/2000	9/20/2000	11/22/00	Approval with comments received 12/4/00	Closed
7	Submittal of EPA Review Comments on the 200-TW-1 and 200-TW-2 Work Plan, Draft A	Doug Sherwood, EPA	Bryan Foley, RL	8/24/2000	9/20/2000	11/22/2000	Approval with comments received 12/4/00	Closed
8	200-PW-1 and 200-PW-4 TPA Change Package Approval by EPA & Ecology	Doug Sherwood, EPA John Price, Ecology	Bryan Foley, RL				11/6/2000	Closed

**MEETING MINUTES
200 AREA GROUNDWATER AND SOURCE OPERABLE UNITS
UNIT MANAGERS' MEETING -- 200 AREA
December 20, 2000**

Agenda: See Attachment #1

Attendees: See Attachment #2

Topics of Discussion Regarding Agenda:

1. It was suggested for the next meeting that the groundwater portion be first on the agenda, followed by the 200-PW-1 Operable Unit (OU), then the remainder of the agenda items.
2. An item was added to this agenda: Environmental Restoration (ER) Committee Update (see below).

Topics of Discussion from Agenda:

1. General:

- Outstanding action items – The action item list was reviewed and it was noted that the remaining open action item is, in fact, closed because an agreement was made between Bryan Foley, U.S. Department of Energy, Richland Operations Office (RL), and John Price, Washington State Department of Ecology (Ecology), that Ecology comments on the 200-PW-2 data quality objective (DQO) summary report could be submitted with comments on the 200-PW-2 work plan. New action items were assigned (see attached).
- Passive neutron tool demonstration report – This report is available on the internet at <http://www.BHI.ERC.com/200Area/200docs.htm>. This email address also contains other waste site information and is a good reference.
- Update of five-year review – Dennis Faulk, U.S. Environmental Protection Agency (EPA) reported that the document was to be out for review last week, but changes are still being incorporated, and it will be issued this week. The public comment period is slated for mid-January. Dennis Faulk requested agreement from RL, by a letter on this document.
- ER committee update – The agenda items for the next briefing to the ER Committee are regarding 200 Area end-states and RL strategic planning for dealing with the Central Plateau. It was suggested that the briefing include a brief recap of the 200 Area activities, including what has been accomplished; the need for adjustments in activities; schedule changes of documents; schedule options on characterization issues; rationale for changes; milestone information; and activities in the future. EPA and Ecology discussed end-states in a meeting on 12/18. Bryan Foley will provide the briefing package to John Price and

Dennis Faulk before presenting it to the Committee.

2. 200-CW-1 Gable/B Pond and Ditches Cooling Water OU:

- RI Report - Ecology Review Comments - Ecology review comments were received 12/19/00 and Bryan Foley thanked John Price for providing them. Ecology is concerned about having a coherent package regarding the ecological assessment in the RI report, instead of having the data scattered. Because this report is a primary document, Ecology approval on the revision 0 will be required. Comments will need to be addressed, and a meeting will be scheduled to discuss comments/resolutions in detail. John Price distributed and reviewed a handout, *200 Area Ecological Assessment, Conceptual Direction*. This handout explains Ecology's conceptual direction on ecological assessment for the 200 Area and requested available data be included in the RI report. The feasibility study (FS) will then compare and list remediation goals and alternatives. The attendees thanked John Price for providing such detail, which will aid in incorporating the requested data into the report.

3. 200-CS-1 Chemical Sewer OU:

- FY2001 Fieldwork Status – Bryan Foley reported that RL was having difficulty providing funding for fiscal year 2001 field activities. The Environmental Restoration Contractor (ERC) decided to make these field activities part of their stretch goals. Therefore, the January and February activities will be reviewed and rescheduled. It was thought that if fieldwork began by June, all activities could be completed by fiscal year end, but reporting would be carried over to the following year. This is still in ERC review.

4. 200-TW-1 Scavenged and 200-TW-2 Tank Waste OUs:

- Work Plan Status – John Price reported that Ecology had no comments on the draft TPA change package. Still pending EPA comments. Bryan Foley requested approval from both EPA and Ecology to proceed with fieldwork. Ecology noted the ecological assessment concerns. Dennis Faulk stated that no fieldwork should proceed without an approved RI/FS work plan and waste control plan.

5. 200-PW-2 Uranium-Rich Process Waste OU:

- Work Plan Status – Bryan Foley reported that one more RL signature was needed before the work plan could be submitted and he hoped to get the last signature by 12/22/00. The regulatory review period is 1/02 - 1/31/01. The

draft TPA change package will also be submitted with the work plan. Bryan Foley thanked the project team for getting this work plan to him earlier than scheduled.

6. 200-PW-1 Plutonium/Organic Rich Process Waste OU:

- Status DQO – The latest DQO meeting minutes were reviewed and distributed. The next regulatory DQO meeting will be in February.
- Work Plan Status – The Draft A work plan is due to be submitted to the regulators by 6/30/01.

7. 200-UP-1 OU:

- Status Operational Update – The pump and treat is currently operating without problems. Garrett Day, Bechtel Hanford, Inc. (BHI), reported that a meeting held among John Price, Dib Goswami, and Zelma Jackson-Maine (Ecology) produced the thought that it would be easy to pursue turning an old extraction well into an injection well. The location for the new well has been decided.
- Status of MSE Work on Uranium - MSE is the name of a company located in Butte, Montana, who is subsidized each year by DOE. Ron Jackson (BHI) reported that several meetings have been conducted, and information/expectations exchanged regarding a modeling plan on the transport/mobility of uranium. The DQO report will be submitted by MSE shortly and the sampling and analysis plan is expected in January. No surrogate samples will be used, so samples will have to be collected from wells at this site. This activity is being coordinated with Jeff Serne (300 Area) and John Zachara (S&T). Information from this study will feed into the 200 Area conceptual models. Ron Jackson pointed out that this is a three-year program; sampling will be conducted the first year, and the final report will be submitted at the end of the third year.

8. 200-ZP-1 OU:

- Status Operational Update – The pump and treat went down Friday evening, 12/15/00, and couldn't be restarted. It is now back up and running. The extraction well distribution center low flow caused the shutdown. Garrett Day noted that engineering changes and replacement of old equipment/parts would be requested for the next detailed work plan.
- Carbon Tetrachloride Investigation - Several meetings have been conducted with the Plutonium Finishing Plant (PFP) regarding adding a new well inside the fence. Another meeting with PFP is scheduled for today.

9. 200-ZP-2 OU:

- Status of Sampling Data – Still doing passive monitoring at this OU. Garrett Day reported they are looking at reducing sampling for cost savings.

200 Area Ecological Assessment

Conceptual Direction

Overview

- The 200 Area RI has to address requirements for Ecological Information
 - Operable Units can draw on the comprehensive information base
- The comprehensive information
 - has to fulfill RI requirements per Table 3-8 of the RI/FS guidance
 - has to be presented as a single coherent report

Conceptual Approach to Ecological Information for 200 Area

- Introduction

“The 200 Area consists of 2 distinct areas, the active area (within the fence) that is designated for industrial exclusive use, and the inactive area of historical use (outside the fence) that is designated for conservation (mining) use. Each area has separate considerations for evaluating the interaction of the ecosystem with human health and the environment.”

Industrial Exclusive Area Conceptual Model

- Designated industrial exclusive (64 FR 218, pg. 61615-61625) for the next 50 years
 - likely to be land use restrictions & disturbances for the foreseeable future
- After remediation, likely habitat will be
 - description (based on current components)
 - critical habitat will be shrub-steppe
 - marginal importance in next 50 years
 - important transient populations (list)

Conservation (Mining) Conceptual Model

- RI has characterized the relatively uniform contaminant deposition from waste waters
- Observed or possible re-distribution of contamination
 - plants
 - animals
 - RI requirements to characterize the nature & extent (presence or absence) of re-distributed contamination

Conservation (Mining) Area Conceptual Model

- May be added to the National Monument (June 9, 2000 presidential memorandum)
 - to be managed to protect same values as literal Monument lands
- Shrub-steppe critical habitat (description)
 - sage grouse population likely to re-establish
 - transient effects due to fire
 - other important or impacted species (list)

Conservation (Mining) Area Conceptual Model (continued)

- Shrub-steppe critical habitat (continued)
 - data required for NRDA
- Traditional or allowed Native American practices
 - important ecosystem components & characteristics
 - data required for NRDA (not limited to Tribal trustees)

Conservation (Mining) Area Conceptual Model (continued)

- After remediation (continued)
 - potential redistribution of contaminants (based on current components & characteristics)
 - FS to consider & address